March 7, 1944. H. J. SMITH 2,343,248

COMBINED DISPLAY RACK, OIL SAVER, AND WASTE CAN RECEPTACLE

Original Filed Sept. 19, 1940

Fig. 2.

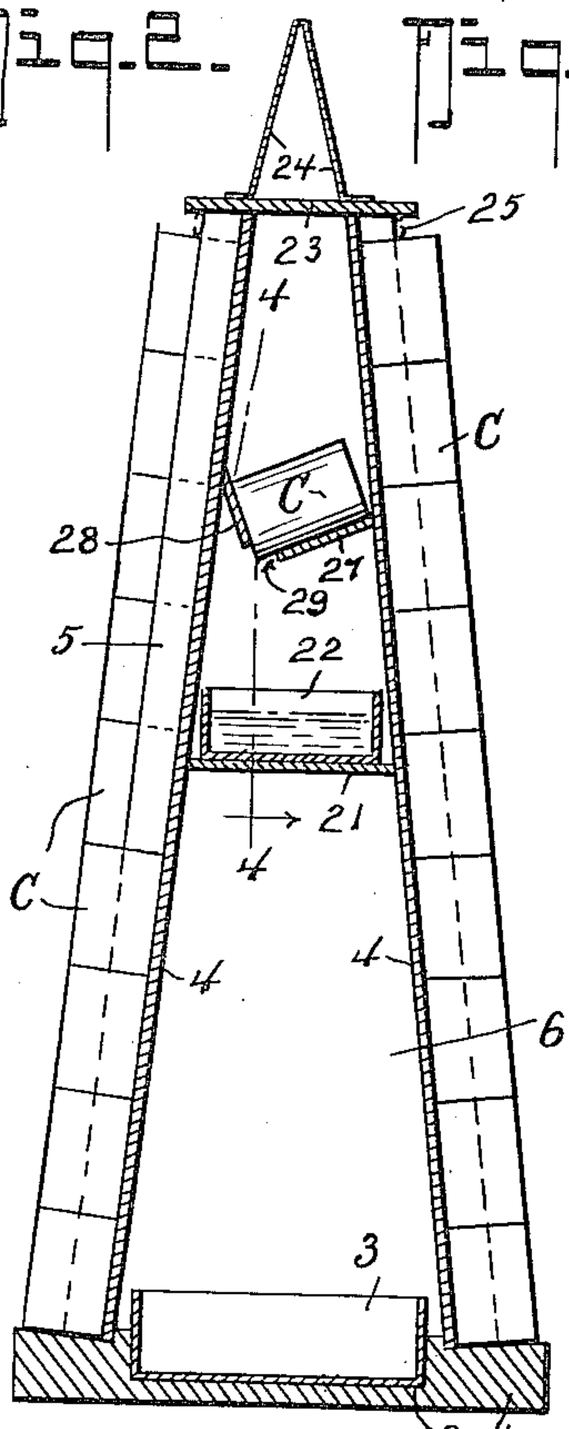


Fig. 1.

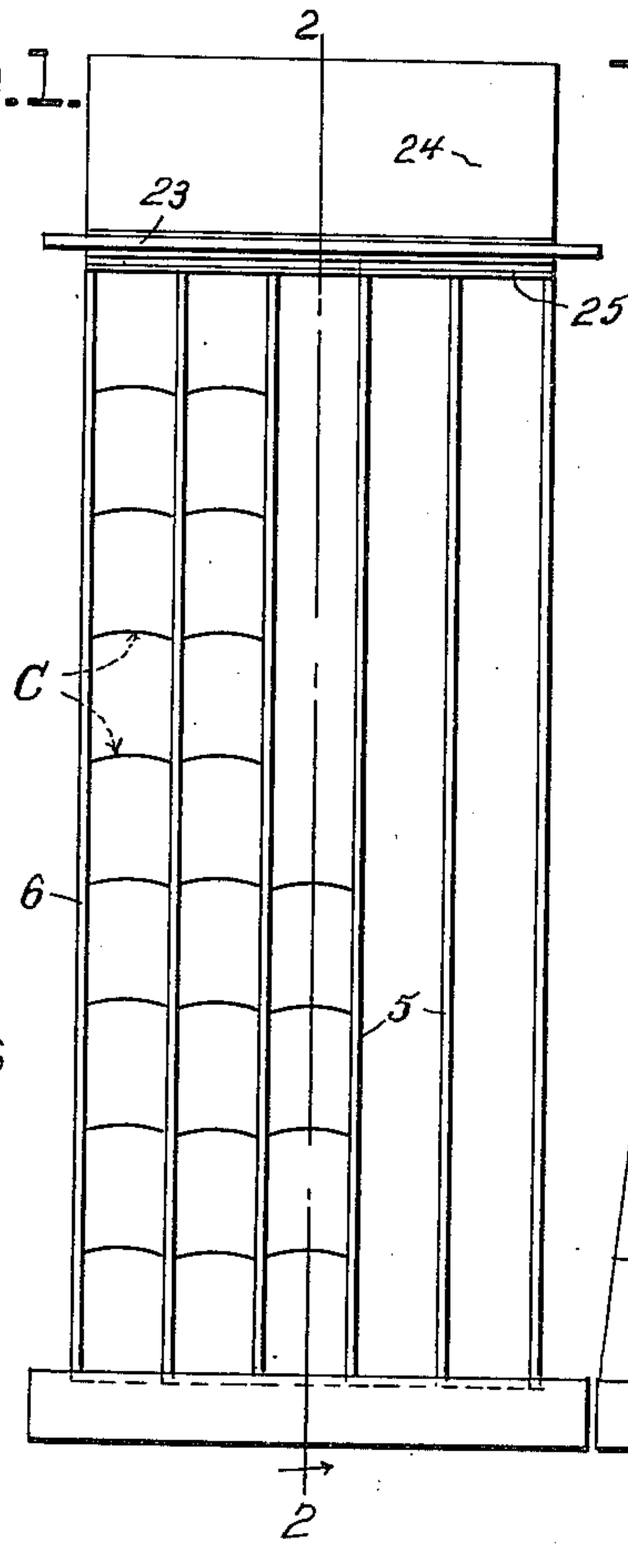


Fig. 3.

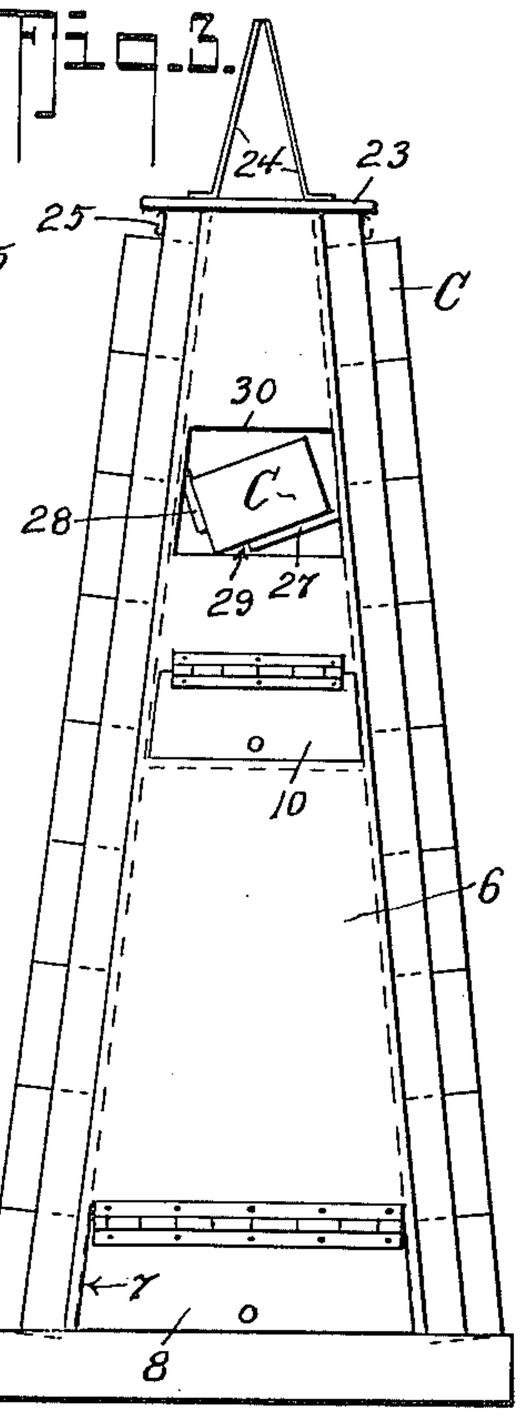
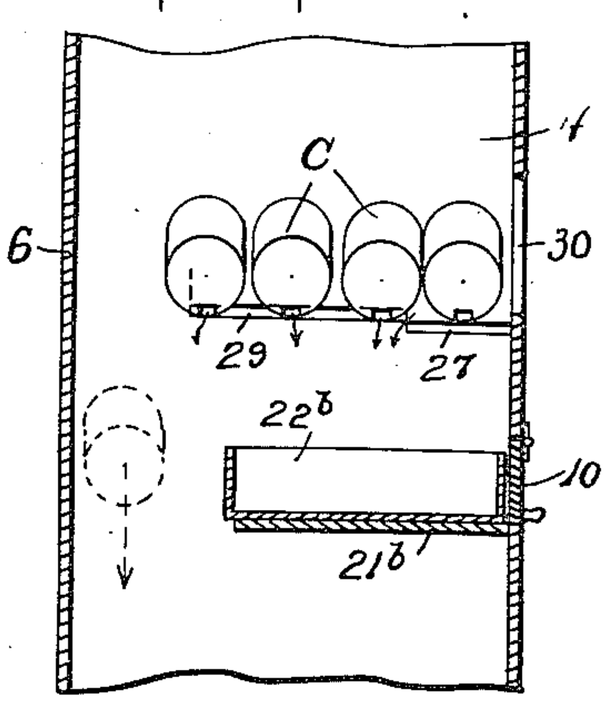


Fig. 4.



Inventor

Harvey J. Smith

By Albert F. Dieterich

Attorney

Patented Mar. 7, 1944

2,343,248

UNITED STATES PATENT OFFICE

2,343,248

COMBINED DISPLAY RACK, OIL SAVER, AND WASTE CAN RECEPTACLE

Harvey J. Smith, Danville, Va., assignor to W. Ira Barker, Danville, Va.

Original application September 19, 1940, Serial No. 357,475. Divided and this application April 9, 1943, Serial No. 482,442

2 Claims. (Cl. 221—69)

The present invention relates to racks for displaying oil cans at garages, filling stations, etc., etc.

It particularly has for its object to provide such a rack with means to receive used oil cans and drain and save the oil which remains in the cans after they have been used.

The present application is a division of my application filed September 19, 1940, Serial # 357,-475, and has for its object to provide specific protection for the modified embodiment of the generic invention of that application.

In the drawing,

Fig. 1 is a front elevation of a rack embodying the present invention.

Fig. 2 is a vertical cross section on the line 2—2 of Fig. 1.

Fig. 3 is an end elevation of the rack.

Fig. 4 is a detail section on the line 4—4 of Fig. 2.

In the drawing in which like numbers and letters of reference indicate like parts in all the figures, 1 is a base to which is suitably secured the upwardly inclined front and back walls 4, forming an inverted V, and the end walls 6.

The base 1, walls 4 and 6 and the top or cap 23 enclose a chamber which houses the oil saver instrumentalities and serves as a receptacle for waste cans.

The walls 4 are preferably provided with ribs or partitions 5 and the end walls project beyond the walls 4, to provide a plurality of vertical grooves in which cans C are stacked for display purposes, all cans in a given stack containing oil of the same rating or weight as S. A. E. 20, or S. A. E. 30, etc., and at the top of the stacks below cap 23, is located grooved members 25 into which a strip (not shown) containing the numbers corresponding to the ratings of the oil in the cans of the several stacks, is placed for convenient reference.

At the bottom an end wall 6 has an opening 7 closed by a door 8 through which a waste pan 3, in which waste cans are received, may be inserted and removed. The end wall also has an opening, also closed by a door 10, through which an oil collecting pan 22 may be inserted and removed, a shelf 21 being provided for the pan 22 to rest on.

Above the door 10 is another opening 30 through which the used cans are inserted. In line with such opening 30 is an inclined shelf constituting a rollway or slideway 27 extending inwardly from the end wall which has the opening 30 toward the opposite wall for a sufficient distance to hold a plurality of cans at a time side by side. This shelf is inclined downwardly from one wall 4 to where it meets a downwardly inclined can end engaging plate or board 28, there being a cut-back portion 29 provided between the rollway 27 and plate 28 thus forming an opening for oil drainage.

In the present form of the invention, the cans are inserted through the opening 30 and placed side by side with their drain openings at the lowest point. As a can is pushed to the end of the rollway, it drops down into the waste pan beneath.

As shown in Fig. 4, the several cans lie side by side so that as another can is inserted the entire set will be pushed or rolled along the rollway 27 so that should a can be inserted with its opening not fully down the can opening will reach a fully down position somewhere along the rollway before it is ejected from the rollway, thus ensuring the emptying of the cans at all times.

In this application I make no claim to the generic invention common to this and the other embodiment disclosed and claimed in my original application aforesaid.

What I claim is:

1. In apparatus of the character described, a receptacle having front, back and side walls, one of said walls having an opening, an inclined rollway in alignment with said opening and constructed to receive and retain a plurality of used cans side by side at the same time, and a can end engaging plate, said plate and said rollway having between them an oil discharge opening, the arrangement being such that a first can placed on the rollway will be discharged therefrom by a last can placed on the rollway when the rollway is full, the placing of a can on the rollway resulting in pushing or rolling the other cans along the rollway.

2. In apparatus of the character described, a receptacle having an opening in its wall, an elongated shelf in the receptacle inclined sidewise and extending longitudinally from said opening, said shelf having a cut-back portion along its lower edge, said shelf being adapted to receive and hold a pluralty of cans side by side at a time with one end of each can overlying said cut-back portion, and a can engaging board held to restrain the cans against movement down the incline of the shelf, said can engaging board being spaced from said shelf to leave the openings of the cans exposed and permit escape of oil from the cans, an oil collecting receptacle and a can collecting receptacle held beneath said shelf, said shelf extending beyond the end of said oil collecting receptacle and short of said can collecting receptacle, by virtue of which a first can will be pushed off the end of the shelf to drop into the can collecting receptacle as a last can is inserted into the apparatus.

HARVEY J. SMITH.